

CLAIMS

I claim:

1. A structural section comprising:
 - a) a horizontal segment; and
 - b) a first leg spaced apart from a second leg, said first leg and said second leg each comprising:
 - i) a first end portion attached to said horizontal segment,
 - ii) a second end portion opposite said first end portion and including a flange extending in an inward direction from said second end portion, and
 - iii) a longitudinal surface extending along said leg between said first end portion and said second end portion, said longitudinal surface positioned inboard of said flange so that a distance between the flanges of said first leg and said second leg is greater than a distance between the longitudinal surfaces extending along said first leg and said second leg.
2. The structural section recited in claim 1 wherein each said flange extending inward from said second end portion includes:
 - a) a planar segment extending inward from said second end portion; and
 - b) a terminal end spaced outboard from said longitudinal surface to provide a gap between said terminal end and said longitudinal surface.
3. The structural section recited in claim 2 wherein said terminal end is a perpendicular leg extending in a downward direction from said planar segment.
4. The structural section recited in claim 2 wherein said terminal end is an inclined leg extending in a downward direction from said planar segment, said inclined leg sloped toward said longitudinal surface.
5. The structural section recited in claim 2 wherein said terminal end is an inclined leg extending in a downward direction from said planar segment, said inclined leg sloped away from said longitudinal surface.
6. The structural section recited in claim 2 wherein said terminal end is a curvilinear shape extending in a downward direction from said planar segment
7. The structural section recited in claim 1 wherein:

- a) said distance between the longitudinal surface of said first leg and the longitudinal surface of said second leg is predetermined to cause said longitudinal surfaces to engage a strut inserted between said first leg and said second leg, and
- b) said flange extending inward from said second end portion is positioned to provide a gap between a strut engaged by said longitudinal surfaces and said flange extending inward.

8. The structural section recited in claim 7 wherein each said longitudinal surface is spaced apart to be fastened to a strut inserted between said first leg and said second leg, each said longitudinal surface being positioned to locate fasteners inboard of said first leg and inboard of said second leg.

9. A roof truss including the structural section of claim 1.

10. A floor truss including the structural section of claim 1.

11. The structural section recited in claim 1 wherein said structural section is a roof truss chord.

12. The structural section recited in claim 1 wherein said structural section is a floor truss chord.

13. The structural section recited in claim 1 wherein said structural section is a track member in a wall assembly.

14. The structural section recited in claim 1 wherein said structural section is a chord member in a header assembly.

15. The structural section recited in claim 1 wherein said structural section is a stud member in a wall assembly.

16. A roof truss having a structural section comprising:

- a) a horizontal segment; and
- b) a first leg spaced apart from a second leg, said first leg and said second leg each comprising:
 - i) a first end portion attached to said horizontal segment,
 - ii) a second end portion opposite said first end portion and including a flange extending in an inward direction from said second end portion, and
 - iii) a longitudinal surface extending along said leg between said first end

portion and said second end portion, said longitudinal surface positioned inboard of said flange so that a distance between the flanges of said first leg and said second leg is greater than a distance between the longitudinal surfaces extending along said first leg and said second leg.

17. The roof truss recited in claim 16 wherein said structural section is a chord member and said roof truss includes:
 - a) a top chord member,
 - b) a bottom chord member; and
 - c) a plurality of truss web members extending between said top chord and said bottom chord, each truss web member having an outside dimension equal to said distance between the longitudinal surfaces that extend along said first leg and said second leg.
18. The roof truss recited in claim 17 including:
 - a) a first gap extending between the flange of said first leg and each truss web member extending between said top chord and said bottom chord; and
 - b) a second gap extending between the flange of said second leg and each truss web member extending between said top chord and said bottom chord.
19. The roof truss recited in claim 17 wherein each said longitudinal surface is fastened to the truss chord inserted between said first leg and said second leg, each said longitudinal surface being positioned to locate fasteners inboard of said first leg and inboard of said second leg.
20. The roof truss recited in claim 16 wherein said flange extending inward from said second end portion includes:
 - a) a planar segment extending inward from said second end portion; and
 - b) a terminal end spaced outboard from said longitudinal surface to provide a gap between said terminal end and said longitudinal surface.
21. The roof truss recited in claim 20 wherein said terminal end is a perpendicular leg extending in a downward direction from said planar segment.
22. The roof truss recited in claim 20 wherein said terminal end is an inclined leg extending in a downward direction from said planar segment, said inclined leg sloped toward said longitudinal surface.

23. The roof truss recited in claim 20 wherein said terminal end is an inclined leg extending in a downward direction from said planar segment, said inclined leg sloped away from said longitudinal surface.
24. The roof truss recited in claim 20 wherein said terminal end is a curvilinear shape extending in a downward direction from said planar segment.
25. A structural section comprising: a U-shaped cross section having two spaced apart legs, each leg including;
- a) a flange extending inwardly from an upper end,
 - b) a longitudinal surface extending along a respective leg, and
 - c) a distance formed between said longitudinal surfaces of the two legs, said distance being greater than a distance between said inward flanges of the two legs such that an engaging force between a member and the longitudinal surfaces is increased when another member is inserted between the longitudinal surfaces of said two leg members.